

L Number	Hits	Search Text	DB	Time stamp
1	631	536/20	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:15
2	356	536/20 and chitosan	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:15
3	231	(536/20 and chitosan) and composition	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:15
4	226	((536/20 and chitosan) and composition) and (aqueous or water)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:16
5	131	((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:16
6	126	((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi\$ (w) derivat\$)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:17
7	75	((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi\$ (w) derivat\$)) and precipit\$	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:17
8	73	((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi\$ (w) derivat\$)) and precipit\$) and (hydroxide or phosphate or carbonate or base)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:19
9	68	((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi\$ (w) derivat\$)) and precipit\$) and (hydroxide or phosphate or carbonate or base)) and pH	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:19
10	8	((536/20 and chitosan) and composition) and (aqueous or water)) and viscosity) and (cationi\$ (w) derivat\$)) and precipit\$) and (hydroxide or phosphate or carbonate or base)) and pH) and (freeze-dry\$ or freeze ADJ dry\$)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:24
11	306	(536/20 and chitosan) and (hydroxide or phosphate or carbonate or base)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:25
12	193	((536/20 and chitosan) and (hydroxide or phosphate or carbonate or base)) and preci\$	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:25
13	104	((536/20 and chitosan) and (hydroxide or phosphate or carbonate or base)) and preci\$) and viscosity	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:26
14	93	((536/20 and chitosan) and (hydroxide or phosphate or carbonate or base)) and preci\$) and viscosity) and (freeze (w) dry\$)	USPAT; US-PGPUB; EPO; DERWENT	2003/04/01 16:27

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	40	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	41	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	42	Feb 13	CANCERLIT is no longer being updated
NEWS	43	Feb 24	METADEx enhancements
NEWS	44	Feb 24	PCTGEN now available on STN
NEWS	45	Feb 24	TEMA now available on STN

NEWS 46 Feb 26 NTIS now allows simultaneous left and right truncation
 NEWS 47 Feb 26 PCTFULL now contains images
 NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003
 NEWS 50 Mar 20 EVENTLINE will be removed from STN
 NEWS 51 Mar 24 PATDPAFULL now available on STN
 NEWS 52 Mar 24 Additional information for trade-named substances without
 structures available in REGISTRY
 NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
 CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
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 NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 15:42:23 ON 01 APR 2003

=> index polymers

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

INDEX 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS, PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL, USPAT2, WPIDS, WPINDEX, WTEXTILES' ENTERED AT 15:42:40 ON 01 APR 2003

20 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s chitosan

886	FILE APOLLIT
371	FILE BABS
14000	FILE CAPLUS
139	FILE CBNB
9	FILE CEN
120	FILE CIN
35	FILE EMA
1659	FILE IFIPAT
2450	FILE JICST-EPLUS
2923	FILE PASCAL
561	FILE PROMT
602	FILE RAPRA
4724	FILE SCISEARCH
334	FILE TEXTILETECH

5774 FILE USPATFULL
199 FILE USPAT2
4777 FILE WPIDS
4777 FILE WPINDEX
250 FILE WTEXTILES

19 FILES HAVE ONE OR MORE ANSWERS, 20 FILES SEARCHED IN STNINDEX

L1 QUE CHITOSAN

=> s l1 and (aqueous or water)

381 FILE APOLLIT
113 FILE BABS
4974 FILE CAPLUS
28 FILE CBNB
5 FILE CEN
20 FILE CIN
7 FILE EMA
1035 FILE IFIPAT
584 FILE JICST-EPLUS
1004 FILE PASCAL
198 FILE PROMT
274 FILE RAPRA
1455 FILE SCISEARCH
121 FILE TEXTILETECH
5580 FILE USPATFULL
198 FILE USPAT2
2588 FILE WPIDS

18 FILES SEARCHED...

2588 FILE WPINDEX
71 FILE WTEXTILES

19 FILES HAVE ONE OR MORE ANSWERS, 20 FILES SEARCHED IN STNINDEX

L2 QUE L1 AND (AQUEOUS OR WATER)

=> s l2 and visco?

48 FILE APOLLIT
9 FILE BABS
448 FILE CAPLUS
1 FILE CBNB
2 FILE CEN
151 FILE IFIPAT
28 FILE JICST-EPLUS
125 FILE PASCAL
30 FILE PROMT
28 FILE RAPRA
149 FILE SCISEARCH
18 FILE TEXTILETECH
3095 FILE USPATFULL

16 FILES SEARCHED...

103 FILE USPAT2
297 FILE WPIDS
297 FILE WPINDEX
9 FILE WTEXTILES

17 FILES HAVE ONE OR MORE ANSWERS, 20 FILES SEARCHED IN STNINDEX

L3 QUE L2 AND VISCO?

=> s l3 and (crosslink? or cross-link? and free)

12 FILE APOLLIT
43 FILE CAPLUS
1 FILE CEN

```

        26  FILE IFIPAT
        2  FILE JICST-EPLUS
        8  FILE PASCAL
10  FILES SEARCHED...
        9  FILE PROMT
        4  FILE RAPRA
        10  FILE SCISEARCH
        1  FILE TEXTILETECH
       1681  FILE USPATFULL
        52  FILE USPAT2
        30  FILE WPIDS
18  FILES SEARCHED...
        30  FILE WPINDEX

14  FILES HAVE ONE OR MORE ANSWERS,    20 FILES SEARCHED IN STNINDEX

L4  QUE L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)

=> s l4 and precipit?
        1  FILE APOLLIT
        4  FILE CAPLUS
        4  FILE IFIPAT
        2  FILE PASCAL
10  FILES SEARCHED...
        1  FILE PROMT
        2  FILE SCISEARCH
       918  FILE USPATFULL
        28  FILE USPAT2
        3  FILE WPIDS
18  FILES SEARCHED...
        3  FILE WPINDEX

10  FILES HAVE ONE OR MORE ANSWERS,    20 FILES SEARCHED IN STNINDEX

L5  QUE L4 AND PRECIPIT?

=> s l5 and (carbonate or phosphate or hydroxide ammonia or base)
        3  FILE IFIPAT
10  FILES SEARCHED...
        1  FILE PROMT
       877  FILE USPATFULL
        28  FILE USPAT2
17  FILES SEARCHED...
        3  FILE WPIDS
        3  FILE WPINDEX
19  FILES SEARCHED...

        6  FILES HAVE ONE OR MORE ANSWERS,    20 FILES SEARCHED IN STNINDEX

L6  QUE L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE)

=> s l6 and (dimension or pH)
        3  FILE IFIPAT
  9  FILES SEARCHED...
        1  FILE PROMT
     804  FILE USPATFULL
16  FILES SEARCHED...
        25  FILE USPAT2
        3  FILE WPIDS
18  FILES SEARCHED...
        3  FILE WPINDEX

        6  FILES HAVE ONE OR MORE ANSWERS,    20 FILES SEARCHED IN STNINDEX

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L7 QUE L6 AND (DIMENSION OR PH)

=> file uspatfull
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
10.45	10.66

FILE 'USPATFULL' ENTERED AT 15:54:08 ON 01 APR 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 1 Apr 2003 (20030401/PD)
FILE LAST UPDATED: 1 Apr 2003 (20030401/ED)
HIGHEST GRANTED PATENT NUMBER: US6543053
HIGHEST APPLICATION PUBLICATION NUMBER: US2003061649
CA INDEXING IS CURRENT THROUGH 1 Apr 2003 (20030401/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 1 Apr 2003 (20030401/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2003
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l7 and composition
5537 CHITOSAN
570 CHITOSANS
5774 CHITOSAN
(CHITOSAN OR CHITOSANS)
441231 AQUEOUS
1 AQUEOUSES
441231 AQUEOUS
(AQUEOUS OR AQUEOUSES)
1012588 WATER
32260 WATERS
1014723 WATER
(WATER OR WATERS)
326380 VISCO?
98912 CROSSLINK?
1524990 CROSS
47586 CROSSES
1540421 CROSS
(CROSS OR CROSSES)
606719 LINK?
97076 CROSS-LINK?
(CROSS(W) LINK?)

1176797 FREE
 15950 FREES
 1182475 FREE
 (FREE OR FREES)
 288899 PRECIPIT?
 225731 CARBONATE
 60354 CARBONATES
 241700 CARBONATE
 (CARBONATE OR CARBONATES)
 218307 PHOSPHATE
 56047 PHOSPHATES
 236278 PHOSPHATE
 (PHOSPHATE OR PHOSPHATES)
 249891 HYDROXIDE
 55471 HYDROXIDES
 261014 HYDROXIDE
 (HYDROXIDE OR HYDROXIDES)
 126237 AMMONIA
 135 AMMONIAS
 126297 AMMONIA
 (AMMONIA OR AMMONIAS)
 2584 HYDROXIDE AMMONIA
 (HYDROXIDE (W) AMMONIA)
 1114550 BASE
 188905 BASES
 1150245 BASE
 (BASE OR BASES)
 325654 DIMENSION
 480967 DIMENSIONS
 658344 DIMENSION
 (DIMENSION OR DIMENSIONS)
 331903 PH
 7153 PHS
 334737 PH
 (PH OR PHS)
 647080 COMPOSITION
 393108 COMPOSITIONS
 697544 COMPOSITION
 (COMPOSITION OR COMPOSITIONS)

L8 746 L7 AND COMPOSITION

=> s l8 and (cationic? and derivat?)

81264 CATIONIC?

358051 DERIVAT?

L9 405 L8 AND (CATIONIC? AND DERIVAT?)

=> s l9 and (crosslink (w) free or crosslink-free or crosslinker-free)

16444 CROSSLINK

7775 CROSSLINKS

21085 CROSSLINK

(CROSSLINK OR CROSSLINKS)

1176797 FREE

15950 FREES

1182475 FREE

(FREE OR FREES)

16 CROSSLINK (W) FREE

16444 CROSSLINK

7775 CROSSLINKS

21085 CROSSLINK

(CROSSLINK OR CROSSLINKS)

1176797 FREE

15950 FREES

1182475 FREE

(FREE OR FREES)

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      16  CROSSLINK-FREE
          (CROSSLINK(W) FREE)
      8857  CROSSLINKER
      5859  CROSSLINKERS
      11333  CROSSLINKER
          (CROSSLINKER OR CROSSLINKERS)
      1176797  FREE
          15950  FREES
      1182475  FREE
          (FREE OR FREES)
      11  CROSSLINKER-FREE
          (CROSSLINKER(W) FREE)
L10      1  L9 AND (CROSSLINK (W) FREE OR CROSSLINK-FREE OR CROSSLINKER-FREE
          )

```

=> dis l10 bib abs

```

L10  ANSWER 1 OF 1  USPATFULL
AN   2002:243051  USPATFULL
TI   Compositions and methods for the therapy and diagnosis of
      ovarian cancer
IN   Algate, Paul A., Issaquah, WA, UNITED STATES
      Jones, Robert, Seattle, WA, UNITED STATES
      Harlocker, Susan L., Seattle, WA, UNITED STATES
PA   Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)
PI   US 2002132237      A1   20020919
AI   US 2001-867701      A1   20010529 (9)
PRAI US 2000-207484P      20000526 (60)
DT   Utility
FS   APPLICATION
LREP SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300,
      SEATTLE, WA, 98104-7092
CLMN Number of Claims: 11
ECL  Exemplary Claim: 1
DRWN No Drawings
LN.CNT 25718
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB   Compositions and methods for the therapy and diagnosis of
      cancer, particularly ovarian cancer, are disclosed. Illustrative
compositions comprise one or more ovarian tumor polypeptides,
      immunogenic portions thereof, polynucleotides that encode such
      polypeptides, antigen presenting cell that expresses such polypeptides,
      and T cells that are specific for cells expressing such polypeptides.
      The disclosed compositions are useful, for example, in the
      diagnosis, prevention and/or treatment of diseases, particularly ovarian
      cancer.

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> dis hist

(FILE 'HOME' ENTERED AT 15:42:23 ON 01 APR 2003)

INDEX 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS,
PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL,
USPAT2, WPIDS, WPINDEX, WTEXTILES' ENTERED AT 15:42:40 ON 01 APR 2003
SEA CHITOSAN

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-----
      886  FILE APOLLIT
      371  FILE BABS
     14000  FILE CAPLUS
      139  FILE CBNB
       9   FILE CEN

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120    FILE CIN
  35    FILE EMA
1659   FILE IFIPAT
2450   FILE JICST-EPLUS
2923   FILE PASCAL
  561   FILE PROMT
  602   FILE RAPRA
4724   FILE SCISEARCH
  334   FILE TEXTILETECH
5774   FILE USPATFULL
  199   FILE USPAT2
4777   FILE WPIDS
4777   FILE WPINDEX
  250   FILE WTEXTILES
L1      QUE CHITOSAN
-----
      SEA L1 AND (AQUEOUS OR WATER)
-----
381    FILE APOLLIT
  113   FILE BABS
4974   FILE CAPLUS
  28    FILE CBNB
   5    FILE CEN
  20    FILE CIN
   7    FILE EMA
1035   FILE IFIPAT
  584   FILE JICST-EPLUS
1004   FILE PASCAL
  198   FILE PROMT
  274   FILE RAPRA
1455   FILE SCISEARCH
  121   FILE TEXTILETECH
5580   FILE USPATFULL
  198   FILE USPAT2
2588   FILE WPIDS
2588   FILE WPINDEX
   71   FILE WTEXTILES
L2      QUE L1 AND (AQUEOUS OR WATER)
-----
      SEA L2 AND VISCO?
-----
  48    FILE APOLLIT
   9    FILE BABS
448    FILE CAPLUS
   1    FILE CBNB
   2    FILE CEN
151    FILE IFIPAT
  28    FILE JICST-EPLUS
125    FILE PASCAL
  30    FILE PROMT
  28    FILE RAPRA
149    FILE SCISEARCH
  18    FILE TEXTILETECH
3095   FILE USPATFULL
  103   FILE USPAT2
  297   FILE WPIDS
  297   FILE WPINDEX
   9    FILE WTEXTILES
L3      QUE L2 AND VISCO?
-----
      SEA L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)
-----
  12    FILE APOLLIT
  43    FILE CAPLUS

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1      FILE CEN
26     FILE IFIPAT
2      FILE JICST-EPLUS
8      FILE PASCAL
9      FILE PROMT
4      FILE RAPRA
10     FILE SCISEARCH
1      FILE TEXTILETECH
1681   FILE USPATFULL
52     FILE USPAT2
30     FILE WPIDS
30     FILE WPINDEX
L4      QUE L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)
-----
      SEA L4 AND PRECIPIT?
-----
1      FILE APOLLIT
4      FILE CAPLUS
4      FILE IFIPAT
2      FILE PASCAL
1      FILE PROMT
2      FILE SCISEARCH
918    FILE USPATFULL
28     FILE USPAT2
3      FILE WPIDS
3      FILE WPINDEX
L5      QUE L4 AND PRECIPIT?
-----
      SEA L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE
-----
3      FILE IFIPAT
1      FILE PROMT
877    FILE USPATFULL
28     FILE USPAT2
3      FILE WPIDS
3      FILE WPINDEX
L6      QUE L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE
-----
      SEA L6 AND (DIMENSION OR PH)
-----
3      FILE IFIPAT
1      FILE PROMT
804    FILE USPATFULL
25     FILE USPAT2
3      FILE WPIDS
3      FILE WPINDEX
L7      QUE L6 AND (DIMENSION OR PH)
-----

FILE 'USPATFULL' ENTERED AT 15:54:08 ON 01 APR 2003
L8      746 S L7 AND COMPOSITION
L9      405 S L8 AND (CATIONIC? AND DERIVAT?)
L10     1 S L9 AND (CROSSLINK (W) FREE OR CROSSLINK-FREE OR CROSSLINKER-F
=> s l9 and (struct? and three (w) dimensio?)
1735414 STRUCT?
1523274 THREE
799 THREES
1523347 THREE
      (THREE OR THREES)
909507 DIMENSIO?
126575 THREE (W) DIMENSIO?
L11     124 L9 AND (STRUCT? AND THREE (W) DIMENSIO?)

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=> s l11 and process
    1620666 PROCESS
    705522 PROCESSES
    1704156 PROCESS
        (PROCESS OR PROCESSES)
L12      123 L11 AND PROCESS

=> s l12 and pH
    331903 PH
    7153 PHS
    334737 PH
        (PH OR PHS)
L13      122 L12 AND PH

=> s l13 and (freeze and drying or freeze-drying or freeze (w) drying)
    62699 FREEZE
    7932 FREEZES
    67101 FREEZE
        (FREEZE OR FREEZES)
    304442 DRYING
    279 DRYINGS
    304497 DRYING
        (DRYING OR DRYINGS)
    62699 FREEZE
    7932 FREEZES
    67101 FREEZE
        (FREEZE OR FREEZES)
    304442 DRYING
    279 DRYINGS
    304497 DRYING
        (DRYING OR DRYINGS)
    14264 FREEZE-DRYING
        (FREEZE(W) DRYING)
    62699 FREEZE
    7932 FREEZES
    67101 FREEZE
        (FREEZE OR FREEZES)
    304442 DRYING
    279 DRYINGS
    304497 DRYING
        (DRYING OR DRYINGS)
    14264 FREEZE (W) DRYING
L14      45 L13 AND (FREEZE AND DRYING OR FREEZE-DRYING OR FREEZE (W) DRYING
        )

```

```

=> dis l14 1-45 bib abs

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L14  ANSWER 1 OF 45  USPATFULL
AN   2003:85870  USPATFULL
TI   Sustained release microspheres
IN   Scott, Terrence L., Winchester, MA, UNITED STATES
      Brown, Larry R., Newton, MA, UNITED STATES
      Riske, Frank J., Stoughton, MA, UNITED STATES
      Blizzard, Charles D., Westwood, MA, UNITED STATES
      Rashba-Step, Julia, Newton, MA, UNITED STATES
PI   US 2003059474      A1   20030327
AI   US 2002-245776      A1   20020917 (10)
RLI  Continuation of Ser. No. US 1999-420361, filed on 18 Oct 1999, GRANTED,
      Pat. No. US 6458387
DT   Utility
FS   APPLICATION
LREP John R. Van Amsterdam, Ph.D., Wolf, Greenfield & Sacks, P.C., 600
      Atlantic Avenue, Boston, MA, 02210
CLMN Number of Claims: 65

```

ECL Exemplary Claim: 1

DRWN 7 Drawing Page(s)

LN.CNT 2700

AB Methods for forming sustained release microspheres and the products produced thereby are provided. The microspheres have a smooth surface that includes a plurality of channel openings that are less than 1000 angstroms in diameter.

L14 ANSWER 2 OF 45 USPATFULL

AN 2003:79218 USPATFULL

TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same

IN Chang, Yihua, Portland, OR, UNITED STATES

Branham, Kelly D., Winneconne, WI, UNITED STATES

Lang, Frederick J., Neenah, WI, UNITED STATES

McBride, Erin, Neenah, WI, UNITED STATES

Bunyard, Clay, Neenah, WI, UNITED STATES

PI US 2003055146 A1 20030320

AI US 2001-815169 A1 20010322 (9)

DT Utility

FS APPLICATION

LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309

CLMN Number of Claims: 34

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2940

AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

L14 ANSWER 3 OF 45 USPATFULL

AN 2003:65521 USPATFULL

TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same

IN Chang, Yihua, Portland, OR, UNITED STATES

Lang, Frederick J., Neenah, WI, UNITED STATES

Chen, Franklin M., Portland, OR, UNITED STATES

Branham, Kelly D., Winneconne, WI, UNITED STATES

Wang, Kenneth Y., Alpharetta, GA, UNITED STATES

Schick, Kim G., Menasha, WI, UNITED STATES

Schultz, Walter T., Appleton, WI, UNITED STATES

PI US 2003045645 A1 20030306

AI US 2001-814403 A1 20010322 (9)

DT Utility

FS APPLICATION

LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309

CLMN Number of Claims: 9

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2894

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder

compositions. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 4 OF 45 USPATFULL
AN 2003:47498 USPATFULL
TI Methods of imaging and treatment with targeted **compositions**
IN Unger, Evan C., Tucson, AZ, United States
Wu, Yunqiu, Tucson, AZ, United States
PA Bristol-Myers Squibb Medical Imaging, Inc., Princeton, NJ, United States
(U.S. corporation)
PI US 6521211 B1 20030218
AI US 1999-243640 19990203 (9)
RLI Continuation-in-part of Ser. No. US 1998-218660, filed on 22 Dec 1998
Continuation-in-part of Ser. No. US 1996-660032, filed on 6 Jun 1996,
now abandoned Continuation-in-part of Ser. No. US 1996-640464, filed on
1 May 1996, now abandoned Continuation-in-part of Ser. No. US
1995-497684, filed on 7 Jun 1995, now abandoned
PRAI US 1998-73913P 19980206 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Travers, Russell; Assistant Examiner: Sharareh,
Shahnam
LREP Woodcock Washburn LLP
CLMN Number of Claims: 58
ECL Exemplary Claim: 1
DRWN 17 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 7580

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel ultrasound methods comprising administering to a patient a
targeted vesicle **composition** which comprises vesicles
comprising a lipid, protein or polymer, encapsulating a gas, in
combination with a targeting ligand, and scanning the patient using
ultrasound. The scanning may comprise exposing the patient to a first
type of ultrasound energy and then interrogating the patient using a
second type of ultrasound energy. The targeting ligand preferably
targets tissues, cells or receptors, including myocardial cells,
endothelial cells, epithelial cells, tumor cells and the glycoprotein
GPIIb/IIIa receptor. The methods may be used to detect a thrombus,
enhancement of an old or echogenic thrombus, low concentrations of
vesicles and vesicles targeted to tissues, cells or receptors.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 5 OF 45 USPATFULL
AN 2003:45040 USPATFULL
TI **Water**-dispersible, **cationic** polymers, a method of
making same and items using same
IN Chang, Yihua, Portland, OR, UNITED STATES
Branham, Kelly D., Winneconne, WI, UNITED STATES
Lang, Frederick J., Neenah, WI, UNITED STATES
McBride, Erin, Neenah, WI, UNITED STATES
Bunyard, Clay, Neenah, WI, UNITED STATES
PI US 2003032352 A1 20030213
AI US 2001-815261 A1 20010322 (9)
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE
STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 41
ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2946

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 6 OF 45 USPATFULL

AN 2003:37824 USPATFULL

TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same

IN Chang, Yihua, Portland, OR, UNITED STATES

Lang, Frederick J., Neenah, WI, UNITED STATES

Branham, Kelly D., Winneconne, WI, UNITED STATES

McBride, Erin, Neenah, WI, UNITED STATES

PI US 2003027470 A1 20030206

AI US 2001-815259 A1 20010322 (9)

DT Utility

FS APPLICATION

LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309

CLMN Number of Claims: 34

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2952

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 7 OF 45 USPATFULL

AN 2003:37318 USPATFULL

TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same

IN Chang, Yihua, Portland, OR, UNITED STATES

Lang, Frederick J., Neenah, WI, UNITED STATES

Branham, Kelly D., Winneconne, WI, UNITED STATES

McBride, Erin, Neenah, WI, UNITED STATES

PI US 2003026963 A1 20030206

AI US 2001-815251 A1 20010322 (9)

DT Utility

FS APPLICATION

LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309

CLMN Number of Claims: 21

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2926

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to triggerable, **water**

-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 8 OF 45 USPATFULL

AN 2003:30621 USPATFULL

TI **Water**-dispersible, **cationic** polymers, a method of making same and items using same

IN Branham, Kelly D., Winneconne, WI, UNITED STATES

Chang, Yihua, Portland, OR, UNITED STATES

Lang, Frederick J., Neenah, WI, UNITED STATES

McBride, Erin, Neenah, WI, UNITED STATES

Bunyard, Clay, Neenah, WI, UNITED STATES

PI US 2003022568 A1 20030130

AI US 2001-815243 A1 20010322 (9)

DT Utility

FS APPLICATION

LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309

CLMN Number of Claims: 25

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2928

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to triggerable, **water**-dispersible **cationic** polymers. The present invention is also directed to a method of making triggerable, **water**-dispersible **cationic** polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising triggerable, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products, such as wet wipes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 9 OF 45 USPATFULL

AN 2003:30295 USPATFULL

TI Particles with improved solubilization capacity

IN Anderson, David, Colonial Heights, VA, UNITED STATES

PI US 2003022242 A1 20030130

AI US 2002-176112 A1 20020621 (10)

PRAI US 2001-300476P 20010623 (60)

DT Utility

FS APPLICATION

LREP WHITHAM, CURTIS & CHRISTOFFERSON, P.C., 11491 SUNSET HILLS ROAD, SUITE 340, RESTON, VA, 20190

CLMN Number of Claims: 204

ECL Exemplary Claim: 1

DRWN 1 Drawing Page(s)

LN.CNT 3885

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A particle is disclosed that comprises a first volume of hydrophobe-rich material with tunable dissolution and solubilization characteristics and a distinct second volume of nanostructured nonlamellar liquid crystalline material, said second volume containing said first domain and being capable of being in equilibrium with said first volume. Preferably, the nanostructured nonlamellar liquid crystalline material is capable of being in equilibrium with a polar solvent or a

water-immiscible solvent or both.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 10 OF 45 USPATFULL

AN 2003:23733 USPATFULL

TI Polymerase kappa **compositions** and methods thereof

IN Friedberg, Errol C., Dallas, TX, UNITED STATES

Gerlach, Valerie, Branford, CT, UNITED STATES

Feaver, William J., Branford, CT, UNITED STATES

PA Board of Regents, The University of Texas system (U.S. corporation)

PI US 2003017573 A1 20030123

AI US 2001-971101 A1 20011004 (9)

PRAI US 2000-238289P 20001004 (60)

DT Utility

FS APPLICATION

LREP Gina N. Shishima, Fulbright & Jaworski L.L.P., Suite 2400, 600 Congress Avenue, Austin, TX, 78701

CLMN Number of Claims: 76

ECL Exemplary Claim: 1

DRWN 6 Drawing Page(s)

LN.CNT 7042

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention concerns **compositions** and methods involving mammalian polymerase kappa, an enzyme with limited fidelity and moderate processivity. Methods of modulating polymerase kappa activity, such as inhibiting or reducing its activity, as a means of effecting a cancer treatment or preventative agent are provided, both by itself and in combination with other anti-cancer therapies. Also described are methods of screening involving assaying for polymerase kappa activity or expression, in addition to methods of screening for modulators of polymerase kappa to identify anti-cancer compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 11 OF 45 USPATFULL

AN 2002:322559 USPATFULL

TI AN IMPROVED METHOD FOR THE PRODUCTION AND PURIFICATION OF ADENOVIRAL VECTORS

IN Zhang, Shuyuan, Sugar Land, TX, UNITED STATES

Thwin, Capucine, Spring, TX, UNITED STATES

Wu, Zheng, Sugar Land, TX, UNITED STATES

Cho, Toohyon, UNITED STATES

Gallagher, Shawn, Missouri City, TX, UNITED STATES

PA Introgen Therapeutics, Inc. (U.S. corporation)

PI US 2002182723 A1 20021205

AI US 2001-880609 A1 20010612 (9)

RLI Division of Ser. No. US 1998-203078, filed on 1 Dec 1998, PENDING
Continuation-in-part of Ser. No. US 1997-975519, filed on 20 Nov 1997,
GRANTED, Pat. No. US 6194191

PRAI US 1996-31329P 19961120 (60)

DT Utility

FS APPLICATION

LREP Steven L. Highlander, FULBRIGHT & JAWORSKI L.L.P., Suite 2400, 600 Congress Avenue, Austin, TX, 78701

CLMN Number of Claims: 43

ECL Exemplary Claim: 1

DRWN 49 Drawing Page(s)

LN.CNT 6000

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention addresses the need to improve the yields of viral vectors when grown in cell culture systems. In particular, it has been demonstrated that for adenovirus, the use of low-medium perfusion rates in an attached cell culture system provides for improved yields. In

other embodiments, the inventors have shown that there is improved Ad-p53 production with cells grown in serum-free conditions, and in particular in serum-free suspension culture. Also important to the increase of yields is the use of detergent lysis. Combination of these aspects of the invention permits purification of virus by a single chromatography step that results in purified virus of the same quality as preparations from double CsCl banding using an ultracentrifuge.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 12 OF 45 USPATFULL
AN 2002:314404 USPATFULL
TI Ion-sensitive, **water**-dispersible polymers, a method of making same and items using same
IN Cole, Douglas Bryan, Hortonville, WI, UNITED STATES
Shah, Varsha K., Menasha, WI, UNITED STATES
Bevernitz, Kurt J., Little Rock, AR, UNITED STATES
Chen, Franklin M., Appleton, WI, UNITED STATES
Johnson, Eric D., Larsen, WI, UNITED STATES
Lang, Frederick J., Neenah, WI, UNITED STATES
Lindsay, Jeffrey D., Appleton, WI, UNITED STATES
Rivera, Ligia A., Appleton, WI, UNITED STATES
Schick, Kim G., Menasha, WI, UNITED STATES
Stahl, Katherine Denise, Appleton, WI, UNITED STATES
PI US 2002176877 A1 20021128
AI US 2002-58632 A1 20020128 (10)
RLI Division of Ser. No. US 2000-564939, filed on 4 May 2000, PENDING
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 3718

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to ion-sensitive, **water**-dispersible polymers. The present invention is also directed to a method of making ion-sensitive, **water**-dispersible polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising ion-sensitive, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 13 OF 45 USPATFULL
AN 2002:310968 USPATFULL
TI Block and graft copolymers and methods relating thereto
IN Chen, Guohua, Seattle, WA, United States
Hoffman, Allan S., Seattle, WA, United States
PA University of Washington, Seattle, WA, United States (U.S. corporation)
PI US 6486213 B1 20021126
AI US 1995-483475 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1994-205712, filed on 4 Mar 1994, now abandoned
DT Utility
FS GRANTED
EXNAM Primary Examiner: Webman, Edward J.
LREP Seed Intellectual Property Law Group PLLC
CLMN Number of Claims: 21
ECL Exemplary Claim: 1

DRWN 34 Drawing Figure(s); 19 Drawing Page(s)

LN.CNT 2675

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB There is disclosed block and graft copolymers, and hydrogels thereof, which, in one embodiment, contain both a temperature-sensitive polymer component and a pH-sensitive polymer component, and the use of such copolymers for topical drug delivery to a treatment area. The block and graft copolymers may be physically mixed with one or more drugs (or with other polymers) to form a copolymer-drug mixture. These mixtures may be applied as solid particles suspended in a pharmaceutically acceptable carrier, or as a liquid which gels upon contact with the treatment area. Upon contact with the treatment area, the pH-sensitive polymer component hydrates and swells, thereby causing release of the drug from the mixture. In addition, such hydration and swelling causes the pH-sensitive polymer component to adhere to the tissue of the treatment area, thus prolonging contact time. The temperature-sensitive polymer component resists hydration and swelling of the mixture, thereby imparting a sustained and controlled release of the drug to the treatment area. In another embodiment of this invention, block and graft copolymers, and hydrogels thereof, are disclosed having broad industrial applicability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 14 OF 45 USPATFULL

AN 2002:303798 USPATFULL

TI Coated particles, methods of making and using

IN Anderson, David M., Petersburg, VA, United States

PA Select Release, L.C., Midlothian, VA, United States (U.S. corporation)

PI US 6482517 B1 20021119

WO 9912640 19990318

AI US 2000-297997 20000816 (9)

WO 1998-US18639 19980908

20000816 PCT 371 date

PRAI US 1997-58309P 19970909 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Boykin, Terressa M.

LREP Whitham, Curtis & Christofferson, P.C.

CLMN Number of Claims: 116

ECL Exemplary Claim: 1

DRWN 8 Drawing Figure(s); 8 Drawing Page(s)

LN.CNT 4264

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A particle coated with a nonlamellar crystalline material includes an internal matrix core having at least one nanostructured liquid phase, or at least one nanostructured liquid crystalline phase or a combination of the two is used for the delivery of active agents such as pharmaceuticals, nutrients, pesticides, etc. The coated particle can be fabricated by a variety of different techniques where the exterior coating is a nonlamellar crystalline material.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 15 OF 45 USPATFULL

AN 2002:279848 USPATFULL

TI Pre-moistened wipe product

IN Lang, Frederick J., Neenah, WI, UNITED STATES

Chang, Yihua, Podrtland, OR, UNITED STATES

Chen, Franklin M.C., Appleton, WI, UNITED STATES

Dellerman, Paige A., Appleton, WI, UNITED STATES

Johnson, Eric D., Larsen, WI, UNITED STATES

Lindsay, Jeffrey D., Appleton, WI, UNITED STATES

Mumick, Pavneet S., Belle Mead, NJ, UNITED STATES

Pomplun, William S., West End, NC, UNITED STATES
Rivera, Ligia A., Appleton, WI, UNITED STATES
Schick, Kim G., Menasha, WI, UNITED STATES
Schultz, Walter T., Appleton, WI, UNITED STATES
Shah, Varsha K., Streamwood, IL, UNITED STATES
Soerens, Dave A., Neenah, WI, UNITED STATES
Wang, Kenneth Y., Alpharetta, GA, UNITED STATES
Jackson, David M., Roswell, GA, UNITED STATES
Cole, Douglas Bryan, Horntonville, WI, UNITED STATES
Copsey, Barbra Elaine, Clintonville, WI, UNITED STATES
Stahl, Katherine Denise, Appleton, WI, UNITED STATES

PI US 2002155281 A1 20021024
AI US 2001-900698 A1 20010707 (9)
RLI Continuation-in-part of Ser. No. US 2000-564531, filed on 4 May 2000,
PENDING
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE
STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 55
ECL Exemplary Claim: 1
DRWN 5 Drawing Page(s)
LN.CNT 4251
AB The present invention provides ion-sensitive, **water**
-dispersible polymers. The present invention also provides a method of
making ion-sensitive, **water**-dispersible polymers and their
applicability as binder **compositions**. The present invention
further provides fiber-containing fabrics and webs comprising
ion-sensitive, **water**-dispersible binder **compositions**
and their applicability in **water**-dispersible personal care
products.

L14 ANSWER 16 OF 45 USPATFULL
AN 2002:265678 USPATFULL
TI **Water**-dispersible polymers, a method of making same and items
using same
IN Mumick, Pavneet S., Belle Mead, NJ, UNITED STATES
Chen, Franklin M.C., Appleton, WI, UNITED STATES
Chang, Yihua, Portland, OR, UNITED STATES
PI US 2002146552 A1 20021010
AI US 2001-775312 A1 20010201 (9)
DT Utility
FS APPLICATION
LREP JOHN S. PRATT, KILPATRICK STOCKTON LLP (KIMBERLY CLARK), 1100 PEACHTREE
STREET, SUITE 2800, ATLANTA, GA, 30309
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1840
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to **water**-dispersible
polymers. The present invention is also directed to a method of making
water-dispersible polymers and their applicability as binder
compositions. The present invention is further directed to
fiber-containing fabrics and webs comprising **water**-dispersible
binder **compositions** and their applicability in **water**
-dispersible personal care products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 17 OF 45 USPATFULL
AN 2002:254072 USPATFULL
TI Sustained release microspheres

IN Scott, Terrence L., Winchester, MA, United States
Brown, Larry R., Newton, MA, United States
Riske, Frank J., Stoughton, MA, United States
Blizzard, Charles D., Westwood, MA, United States
Rashba-Step, Julia, Newton, MA, United States
PA Epic Therapeutics, Inc., Norwood, MA, United States (U.S. corporation)
PI US 6458387 B1 20021001
AI US 1999-420361 19991018 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Kishore, Gollamudi S.; Assistant Examiner: Pulliam, Amy E
LREP Wolf, Greenfield & Sacks P.C.
CLMN Number of Claims: 28
ECL Exemplary Claim: 1
DRWN 13 Drawing Figure(s); 7 Drawing Page(s)
LN.CNT 2512
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methods for forming sustained release microspheres and the products produced thereby are provided. The microspheres have a smooth surface that includes a plurality of channel openings that are less than 1000 angstroms in diameter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 18 OF 45 USPATFULL
AN 2002:246563 USPATFULL
TI Nucleic acids encoding vascular endothelial cell growth factor-E (VEGF-E)
IN Ferrara, Napoleone, San Francisco, CA, United States
Kuo, Sophia S., San Francisco, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 6455283 B1 20020924
AI US 1999-265686 19990310 (9)
RLI Continuation-in-part of Ser. No. US 1998-184216, filed on 2 Nov 1998, now abandoned Continuation-in-part of Ser. No. US 1998-40220, filed on 17 Mar 1998
DT Utility
FS GRANTED
EXNAM Primary Examiner: Spector, Lorraine
LREP Cui, Steven X.
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 14 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 4363
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention involves the identification and preparation of vascular endothelial growth factor-E (VEGF-E). VEGF-E is a novel polypeptide related to vascular endothelial growth factor (VEGF) and bone morphogenetic protein 1. VEGF-E has homology to VEGF including conservation of the amino acids required for activity of VEGF. VEGF-E can be useful in wound repair, as well as in the generation and regeneration of tissue.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 19 OF 45 USPATFULL
AN 2002:234266 USPATFULL
TI Polarizable electrode for electrical double-layer capacitor, and electrical double -layer capacitor
IN Sato, Takaya, Chiba-shi, JAPAN
Yoshida, Hiroshi, Chiba-shi, JAPAN
Mitsubishi, Hideto, Chiba-shi, JAPAN

Minamiru, Shigenori, Chiba-shi, JAPAN
Hashimoto, Zenzo, Tokyo, JAPAN
Shimizu, Tatsuo, Tokyo, JAPAN

PI US 2002126439 A1 20020912
AI US 2001-977361 A1 20011016 (9)
PRAI JP 2000-315563 20001016
DT Utility
FS APPLICATION
LREP BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 2046

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A carbonaceous material having a pore size distribution, as determined from a nitrogen adsorption isotherm, in which pores with a radius of up to 10 .ANG. account for at most 70% of the total pore volume, and having a specific surface area, as measured by the nitrogen adsorption BET method, of 1-500 m.sup.2/g is optimized for the penetration of non-aqueous electrolyte solution to the interior thereof and the surface adsorption of ionic molecules so as to form an electrical double layer thereon. Electrical double-layer capacitors assembled using polarizable electrodes made with the carbonaceous material have a high voltage, a high energy density, a high capacitance, a long cycle life, and are amenable to miniaturization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 20 OF 45 USPATFULL

AN 2002:224267 USPATFULL

TI Ion-sensitive, water-dispersible polymers, a method of making same and items using same

IN Cole, Douglas Bryan, Hortonville, WI, United States
Shah, Varsha K., Menasha, WI, United States
Bevernitz, Kurt J., Little Rock, AK, United States
Chen, Franklin M., Portland, OR, United States
Johnson, Eric D., Larsen, WI, United States
Lang, Frederick J., Neenah, WI, United States
Lindsay, Jeffrey D., Appleton, WI, United States
Rivera, Ligia A., Appleton, WI, United States
Schick, Kim G., Menasha, WI, United States
Stahl, Katherine Denise, Appleton, WI, United States

PA Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S. corporation)

PI US 6444214 B1 20020903
AI US 2000-564939 20000504 (9)
DT Utility
FS GRANTED

EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: George, Konata M.

LREP Kilpatrick Stockton LLP

CLMN Number of Claims: 10

ECL Exemplary Claim: 1

DRWN 3 Drawing Figure(s); 3 Drawing Page(s)

LN.CNT 3491

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to ion-sensitive, water-dispersible polymers. The present invention is also directed to a method of making ion-sensitive, water-dispersible polymers and their applicability as binder compositions. The present invention is further directed to fiber-containing fabrics and webs comprising ion-sensitive, water-dispersible binder compositions and their applicability in water-dispersible personal care products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 21 OF 45 USPATFULL
AN 2002:198691 USPATFULL
TI Methods and **compositions** for poly-beta-1-4-N-acetylglucosamine
cell therapy system
IN Vournakis, John N., Hanover, NH, UNITED STATES
Finkielsztejn, Sergio, Chestnut Hill, MA, UNITED STATES
Pariser, Ernest R., Belmont, CA, UNITED STATES
Helton, Mike, Memphis, TN, UNITED STATES
PA Marine Polymer Technologies, Inc. (U.S. corporation)
PI US 2002106792 A1 20020808
AI US 2001-5130 A1 20011205 (10)
RLI Continuation of Ser. No. US 2001-866827, filed on 29 May 2001, PENDING
Continuation of Ser. No. US 1999-227840, filed on 11 Jan 1999, ABANDONED
Division of Ser. No. US 1995-471290, filed on 6 Jun 1995, PATENTED
Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994,
PATENTED Continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec
1993, PATENTED
DT Utility
FS APPLICATION
LREP PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 57 Drawing Page(s)
LN.CNT 3786

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced
poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide
species. The p-GlcNAc of the invention is a polymer of high molecular
weight whose constituent monosaccharide sugars are attached in a
.beta.-1.fwdarw.4 conformation, and which is **free** of proteins,
and substantially **free** of single amino acids, and other
organic and inorganic contaminants. In addition, **derivatives**
and reformulations of p-GlcNAc are described. The present invention
further relates to methods for the purification of the p-GlcNAc of the
invention from microalgae, preferably diatom, starting sources. Still
further, the invention relates to methods for the **derivatization**
and reformulation of the p-GlcNAc. Additionally, the present invention
relates to the uses of pure p-GlcNAc, its **derivatives**, and/or
its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 22 OF 45 USPATFULL
AN 2002:194926 USPATFULL
TI Ion-sensitive, **water**-dispersible polymers, a method of making
same and items using same
IN Lang, Frederick J., Neenah, WI, United States
Branham, Kelly D., Winneconne, WI, United States
Chang, Yihua, Portland, OR, United States
Chen, Franklin M., Appleton, WI, United States
Johnson, Eric D., Larsen, WI, United States
Lindsay, Jeffrey D., Appleton, WI, United States
Mumick, Pavneet S., Belle Mead, NJ, United States
Pomplun, William S., West End, NC, United States
Schick, Kim G., Menasha, WI, United States
Schultz, Walter T., Appleton, WI, United States
Soerens, Dave A., Roswell, GA, United States
Sun, Tong, Neenah, WI, United States
Wang, Kenneth Y., Alpharetta, GA, United States
PA Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S.
corporation)
PI US 6429261 B1 20020806

AI US 2000-564213 20000504 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Nutter, Nathan M.
LREP Kilpatrick Stockton LLP
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 3428

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to ion-sensitive, **water**-dispersible polymers. The present invention is also directed to a method of making ion-sensitive, **water**-dispersible polymers and their applicability as binder **compositions**. The present invention is further directed to fiber-containing fabrics and webs comprising ion-sensitive, **water**-dispersible binder **compositions** and their applicability in **water**-dispersible personal care products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 23 OF 45 USPATFULL
AN 2002:191152 USPATFULL
TI Diagnostic/therapeutic agents
IN Klaveness, Jo, Oslo, NORWAY
Rongved, Pal, Oslo, NORWAY
Hogset, Anders, Oslo, NORWAY
Tolleshaug, Helge, Oslo, NORWAY
Naevestad, Anne, Oslo, NORWAY
Hellebust, Halldis, Oslo, NORWAY
Hoff, Lars, Oslo, NORWAY
Cuthbertson, Alan, Oslo, NORWAY
Lovhaug, Dagfinn, Oslo, NORWAY
Solbakken, Magne, Oslo, NORWAY
PA NYCOMED IMAGING AS (non-U.S. corporation)
PI US 2002102215 A1 20020801
AI US 2001-765614 A1 20010122 (9)
RLI Continuation of Ser. No. US 1997-960054, filed on 29 Oct 1997, PATENTED
Continuation-in-part of Ser. No. US 1997-958993, filed on 28 Oct 1997, PATENTED
PRAI GB 1996-22366 19961028
GB 1996-22367 19961028
GB 1996-22368 19961028
GB 1997-699 19970115
GB 1997-8265 19970424
GB 1997-11842 19970606
GB 1997-11846 19970606
US 1997-49264P 19970606 (60)
US 1997-49265P 19970606 (60)
US 1997-49268P 19970607 (60)
DT Utility
FS APPLICATION
LREP BACON & THOMAS, PLLC, 4th Floor, 625 Slaters Lane, Alexandria, VA, 22314-1176
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 6583

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, having reporters comprising gas-filled microbubbles stabilized by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 24 OF 45 USPATFULL
AN 2002:185666 USPATFULL
TI Methods and **compositions** for poly-beta-1-4-N acetylglucosamine
cell therapy system
IN Vournakis, John N., Hanover, NH, UNITED STATES
Finkielsztejn, Sergio, Chestnut Hill, MA, UNITED STATES
Pariser, Ernest R., Belmont, CA, UNITED STATES
Helton, Mike, Memphis, TN, UNITED STATES
PA Marine Polymer Technologies, Inc. (U.S. corporation)
PI US 2002098579 A1 20020725
AI US 2001-5139 A1 20011205 (10)
RLI Continuation of Ser. No. US 2001-866827, filed on 29 May 2001, PENDING
Continuation of Ser. No. US 1999-227840, filed on 11 Jan 1999, ABANDONED
Division of Ser. No. US 1995-471290, filed on 6 Jun 1995, PATENTED
Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994,
PATENTED Continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec
1993, PATENTED
DT Utility
FS APPLICATION
LREP PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 57 Drawing Page(s)
LN.CNT 3794

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced
poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAC) polysaccharide
species. The p-GlcNAC of the invention is a polymer of high molecular
weight whose constituent monosaccharide sugars are attached in a
.beta.-1.fwdarw.4 conformation, and which is **free** of proteins,
and substantially **free** of single amino acids, and other
organic and inorganic contaminants. In addition, **derivatives**
and reformulations of p-GlcNAC are described. The present invention
further relates to methods for the purification of the p-GlcNAC of the
invention from microalgae, preferably diatom, starting sources. Still
further, the invention relates to methods for the **derivatization**
and reformulation of the p-GlcNAC. Additionally, the present invention
relates to the uses of pure p-GlcNAC, its **derivatives**, and/or
its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 25 OF 45 USPATFULL
AN 2002:172344 USPATFULL
TI Methods and **compositions** for poly-beta-1-4-N-acetylglucosamine
cell therapy system
IN Vournakis, John N., Hanover, NH, UNITED STATES
Finkielsztejn, Sergio, Chestnut Hill, MA, UNITED STATES
Pariser, Ernest R., Belmont, MA, UNITED STATES
Helton, Mike, Memphis, TN, UNITED STATES
PA Marine Polymer Technologies, Inc. (U.S. corporation)
PI US 2002091101 A1 20020711
AI US 2001-5142 A1 20011205 (10)
RLI Continuation of Ser. No. US 2001-866827, filed on 29 May 2001, PENDING
Continuation of Ser. No. US 1999-227840, filed on 11 Jan 1999, ABANDONED
Division of Ser. No. US 1995-471290, filed on 6 Jun 1995, PATENTED
Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994,
PATENTED Continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec
1993, PATENTED
DT Utility
FS APPLICATION
LREP PENNIE & EDMONDS LLP, 1155 Avenue of the Americas, New York, NY,

10036-2711

CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 57 Drawing Page(s)
LN.CNT 3712

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 26 OF 45 USPATFULL

AN 2002:168273 USPATFULL
TI Polymer/ceramic composites
IN Armstrong, Beth L., 6817 W. Wernett Rd., Pasco, WA, United States 99301
Campbell, Allison A., 1515 W. 16th, Kennewick, WA, United States 99337
Gutowska, Anna, 450 Mateo Ct., Richland, WA, United States 99352
Song, Lin, 464 Mainmast Ct., Richland, WA, United States 99352
PI US 6417247 B1 20020709
AI US 1998-79884 19980515 (9)
PRAI US 1997-62108P 19971014 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Szekely, Peter
LREP Zimmerman, Paul W., May, Stephen R.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 13 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 732

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a **composition** which comprises a polymer or polymer solution that forms a gel under controlled parameters and a ceramic matrix, the **composition** being fluid under non-physiological conditions and non fluid under physiological conditions. Polymers may be resorbable or non-resorbable, natural or synthetic and the solution **aqueous** or non-**aqueous**. Preferred polymers are poly saccharides, polyamides or polyamino acids, however any polymer or polymer solution that is biologically compatible and that is fluid under nonphysiological conditions and increases in **viscosity** under physiological conditions is suitable.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 27 OF 45 USPATFULL

AN 2002:160378 USPATFULL
TI Hydrogel-forming, self-solvating absorbable polyester copolymers, and methods for use thereof
IN Shalaby, Shalaby W., Anderson, SC, United States
PA Poly-Med, Inc., Anderson, SC, United States (U.S. corporation)
PI US 6413539 B1 20020702
AI US 1998-16439 19980129 (9)
RLI Continuation-in-part of Ser. No. US 1996-740646, filed on 31 Oct 1996,

now patented, Pat. No. US 5714159
DT Utility
FS GRANTED
EXNAM Primary Examiner: Acquah, Samuel A.
LREP Nixon Peabody LLP
CLMN Number of Claims: 55
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2308

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides novel hydrogel-forming, self-solvating, absorbable polyester copolymers capable of selective, segmental association into compliant hydrogels upon contacting an **aqueous** environment. Methods of using the novel polyester copolymers of the invention in humans are also disclosed for providing a protective barrier to prevent post-surgical adhesion, treatment of defects in conduits such as blood vessels, and controlled release of a biologically active agent for modulating cellular events such as wound healing and tissue regeneration or therapeutic treatment of diseases such as infection of the periodontium, dry socket, bone, skin, vaginal, and nail infections.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 28 OF 45 USPATFULL
AN 2002:157329 USPATFULL
TI Ion-sensitive, **water**-dispersible fabrics, a method of making same and items using same
IN Jackson, David Martin, Roswell, GA, UNITED STATES
Lang, Frederick John, Neenah, WI, UNITED STATES
Wang, Kenneth Yin, Alpharetta, GA, UNITED STATES
Zacharias, Duane, Roswell, GA, UNITED STATES
PA Kimberly-Clark Worldwide, Inc. (U.S. corporation)
PI US 2002081930 A1 20020627
AI US 2001-6825 A1 20011205 (10)
RLI Continuation-in-part of Ser. No. US 2000-564212, filed on 4 May 2000, PENDING
PRAI US 2001-318568P 20010910 (60)
DT Utility
FS APPLICATION
LREP William W. Letson, Kimberly-Clark Worldwide, Inc., Patent Department, 401 North Lake Street, Neenah, WI, 54956
CLMN Number of Claims: 52
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 3439

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to ion-sensitive, **water**-dispersible fabric. The present invention is also directed to a method of making ion-sensitive, **water**-dispersible polymer formulations and their applicability as binder **compositions** for disposable items. The present invention is further directed to disposable items, such as wet-wipes comprising ion-sensitive, **water**-dispersible binder

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 29 OF 45 USPATFULL
AN 2002:119356 USPATFULL
TI Hydrogel particle formulation
IN O'Connor, Barbara Horsey, San Carlos, CA, UNITED STATES
Burkoth, Terry Lee, Palo Alto, CA, UNITED STATES
Prestrelski, Steven Joseph, Mountain View, CA, UNITED STATES
Maa, Yuh-Fun, Millbrae, CA, UNITED STATES

Muddle, Andrew, Oxon, UNITED KINGDOM
Hafner, Roderick, Basingstoke, UNITED KINGDOM
PI US 2002061336 A1 20020523
AI US 2001-922218 A1 20010803 (9)
PRAI WO 2000-GB349 20000203
US 1999-118334P 19990203 (60)
DT Utility
FS APPLICATION
LREP ROBINS & PASTERNAK LLP, Suite 200, 90 Middlefield Road, Menlo Park, CA,
94025
CLMN Number of Claims: 38
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 1960

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB New **compositions** formed from the combination of an active substance with a hydrogel carrier moiety are provided. The **compositions** are suitable for use in high-velocity transdermal particle injection techniques. Methods of providing the new **compositions** are also provided. In addition, methods for administering pharmacologically active agent to a subject are provided. These methods are useful for delivering drugs, biopharmaceuticals, vaccines and diagnostics agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 30 OF 45 USPATFULL
AN 2002:106455 USPATFULL
TI **Compositions** and methods for treating disease utilizing a combination of radioactive therapy and cell-cycle inhibitors
IN Hunter, William L., Vancouver, CANADA
Gravett, David M., Vancouver, CANADA
Liggins, Richard T., Coquitlam, CANADA
Loss, Troy A.E., North Vancouver, CANADA
Maiti, Arpita, Vancouver, CANADA
Toleikis, Philip M., Vancouver, CANADA
PI US 2002055666 A1 20020509
AI US 2001-865195 A1 20010524 (9)
RLI Continuation-in-part of Ser. No. US 2000-712047, filed on 13 Nov 2000,
PENDING
PRAI US 1999-165259P 19991112 (60)
DT Utility
FS APPLICATION
LREP SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300,
SEATTLE, WA, 98104-7092
CLMN Number of Claims: 357
ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 9469
AB Disclosed herein are therapeutic devices, **compositions** and methods for treating proliferative diseases. For example, within one aspect of the invention therapeutic devices are provided, comprising a device that locally administers radiation and a cell-cycle inhibitor

L14 ANSWER 31 OF 45 USPATFULL
AN 2001:237691 USPATFULL
TI Methods and **compositions** for poly-beta-1-4-N-acetylglucosamine cell therapy system
IN Vournakis, John N., Hanover, NH, United States
Finkielsztejn, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc. (U.S. corporation)

PI US 2001055807 A1 20011227
AI US 2001-866827 A1 20010529 (9)
RLI Continuation of Ser. No. US 1999-227840, filed on 11 Jan 1999, ABANDONED
Division of Ser. No. US 1995-471290, filed on 6 Jun 1995, GRANTED, Pat.
No. US 5858350 Continuation-in-part of Ser. No. US 1994-347911, filed on
1 Dec 1994, GRANTED, Pat. No. US 5623064 Continuation-in-part of Ser.
No. US 1993-160569, filed on 1 Dec 1993, GRANTED, Pat. No. US 5622834
DT Utility
FS APPLICATION
LREP PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 57 Drawing Page(s)
LN.CNT 3784

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced
poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide
species. The p-GlcNAc of the invention is a polymer of high molecular
weight whose constituent monosaccharide sugars are attached in a
.beta.-1.fwdarw.4 conformation, and which is **free** of proteins,
and substantially **free** of single amino acids, and other
organic and inorganic contaminants. In addition, **derivatives**
and reformulations of p-GlcNAc are described. The present invention
further relates to methods for the purification of the p-GlcNAc of the
invention from microalgae, preferably diatom, starting sources. Still
further, the invention relates to methods for the **derivatization**
and reformulation of the p-GlcNAc. Additionally, the present invention
relates to the uses of pure p-GlcNAc, its **derivatives**, and/or
its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 32 OF 45 USPATFULL
AN 2001:208490 USPATFULL
TI Gum pad for delivery of medication to mucosal tissues
IN Yates, Alayne, 4176 Round Top Dr., Honolulu, HI, United States 96822
PI US 6319510 B1 20011120
AI US 2000-510470 20000222 (9)
PRAI US 1999-130341P 19990420 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Ghali, Isis
LREP Chong, Leighton K.
CLMN Number of Claims: 55
ECL Exemplary Claim: 1
DRWN 13 Drawing Figure(s); 6 Drawing Page(s)
LN.CNT 1502

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The Gum Pad is a laminate composed of: (a) a synthetic **base** or
backing layer which is configured to be held in place on the gingiva
(gums) in the mouth; (b) an intermediate, reservoir layer for containing
medication therein; and (c) a semi-permeable outer layer facing
outwardly toward oral mucosal tissues in the mouth which will allow
saliva to enter and dissolve the medication in the reservoir layer into
solution and pass the diffused saliva-medication solution outwardly to
the oral mucosal tissues. The backing layer is placed on the gum so that
the semi-permeable outer layer faces outwardly toward the buccal mucosa.
Saliva enters the semi-permeable layer and dissolves the medication in
the reservoir layer, then diffuses outwardly through the semi-permeable
layer to the mucosal tissues in the mouth where it is readily absorbed
into the circulatory system. The Gum Pad can be used for the topical or
systemic delivery of a wide range of pharmaceutical and nutritional
agents, for the treatment of a variety of human disorders and diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 33 OF 45 USPATFULL

AN 2001:165506 USPATFULL

TI Fibrous absorbent material and methods of making the same

IN Chen, Fung-jou, Appleton, WI, United States

Lindsay, Jeffrey Dean, Appleton, WI, United States

Qin, Jian, Appleton, WI, United States

Li, Yong, Appleton, WI, United States

PI US 2001024716 A1 20010927

AI US 2001-842470 A1 20010426 (9)

RLI Division of Ser. No. US 1998-83873, filed on 22 May 1998, GRANTED, Pat.
No. US 6261679

DT Utility

FS APPLICATION

LREP Gregory E. Croft, Kimberly-Clark Worldwide, Inc., 401 North Lake Street,
Neenah, WI, 54957-0349

CLMN Number of Claims: 114

ECL Exemplary Claim: 1

DRWN 10 Drawing Page(s)

LN.CNT 3290

AB Disclosed is a fibrous absorbent **structure** that is wet stable
and has large void volume with a density below the critical density of
the fiber employed. In one embodiment, the fibrous absorbent uses
open-celled foam technologies to keep the fibrous **structure**
expanded and bonded. In other embodiments, the resulting fibrous
structure resembles an open-celled polymeric foam, with fibers
serving as struts stabilized by binder material. In another embodiment,
the resulting fibrous **structure** is filled with hydrophilic
open-celled foams with the cell size substantially smaller than the
fibrous pores. Such a wet-stable, high void volume fibrous absorbent can
be used in a disposable product intended for the absorption of fluid
such as body fluid, including extensible absorbent articles.

L14 ANSWER 34 OF 45 USPATFULL

AN 2001:116526 USPATFULL

TI Targeted ultrasound contrast agents

IN Klaveness, Jo, Oslo, Norway

Rongved, P.ang.l, Oslo, Norway

L.o slashed.vhaug, Dagfinn, Oslo, Norway

PA Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)

PI US 6264917 B1 20010724

AI US 1997-958993 19971028 (8)

PRAI GB 1996-22366 19961028

GB 1996-22367 19961028

GB 1996-22368 19961028

GB 1997-699 19970115

GB 1997-8265 19970424

GB 1997-11842 19970606

GB 1997-11846 19970606

US 1997-49264P 19970607 (60)

US 1997-49268P 19970607 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Hartley, Michael G.

LREP Bacon & Thomas

CLMN Number of Claims: 17

ECL Exemplary Claim: 1

DRWN 2 Drawing Figure(s); 2 Drawing Page(s)

LN.CNT 5477

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Targetable diagnostic and/or therapeutically active agents, e.g.
ultrasound contrast agents, having reporters comprising gas-filled

microbubbles stabilised by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 35 OF 45 USPATFULL
AN 2001:111948 USPATFULL
TI Fibrous absorbent material and methods of making the same
IN Chen, Fung-jou, Appleton, WI, United States
Lindsay, Jeffrey Dean, Appleton, WI, United States
Qin, Jian, Appleton, WI, United States
Li, Yong, Appleton, WI, United States
PA Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S. corporation)
PI US 6261679 B1 20010717
AI US 1998-83873 19980522 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Lovering, Richard D.
LREP Croft, Gregory E.
CLMN Number of Claims: 87
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 10 Drawing Page(s)
LN.CNT 3288

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a fibrous absorbent **structure** that is wet stable and has large void volume with a density below the critical density of the fiber employed. In one embodiment, the fibrous absorbent uses open-celled foam technologies to keep the fibrous **structure** expanded and bonded. In other embodiments, the resulting fibrous **structure** resembles an open-celled polymeric foam, with fibers serving as struts stabilized by binder material. In another embodiment, the resulting fibrous **structure** is filled with hydrophilic open-celled foams with the cell size substantially smaller than the fibrous pores. Such a wet-stable, high void volume fibrous absorbent can be used in a disposable product intended for the absorption of fluid such as body fluid, including extensible absorbent articles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 36 OF 45 USPATFULL
AN 2001:111808 USPATFULL
TI Diagnostic/therapeutic agents having microbubbles coupled to one or more vectors
IN Klaveness, Jo, Oslo, Norway
Rongved, P.ang.l, Oslo, Norway
H.o slashed.gset, Anders, Oslo, Norway
Tolleshaug, Helge, Oslo, Norway
N.ae butted.vestad, Anne, Oslo, Norway
Hellebust, Halldis, Oslo, Norway
Hoff, Lars, Oslo, Norway
Cuthbertson, Alan, Oslo, Norway
L.o slashed.vhaug, Dagfinn, Oslo, Norway
Solbakken, Magne, Oslo, Norway
PA Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)
PI US 6261537 B1 20010717
AI US 1997-960054 19971029 (8)
RLI Continuation-in-part of Ser. No. US 1997-958993, filed on 28 Oct 1997
PRAI GB 1996-22366 19961028
GB 1996-22367 19961028
GB 1996-22368 19961028
GB 1997-699 19970115
GB 1997-8265 19970424
GB 1997-11842 19970606

GB 1997-11846 19970606
US 1997-49264P 19970607 (60)
US 1997-49265P 19970607 (60)
US 1997-49268P 19970607 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Hartley, Michael G.
LREP Bacon & Thomas, Fichter, Richard E.
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 5614
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Targetable diagnostic and/or therapeutically active agents, e.g.
ultrasound contrast agents, having reporters comprising gas-filled
microbubbles stabilised by monolayers of film-forming surfactants, the
reporter being coupled or linked to at least one vector.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 37 OF 45 USPATFULL
AN 2001:71071 USPATFULL
TI Methods for ultrasound imaging involving the use of a contrast agent and
multiple images and processing of same
IN Unger, Evan C., Tucson, AZ, United States
Fritz, Thomas A., Tucson, AZ, United States
Gertz, Edward W., Paradise Valley, AZ, United States
PA ImaRx Pharmaceutical Corp., Tucson, AZ, United States (U.S. corporation)
PI US 6231834 B1 20010515
AI US 1997-982829 19971202 (8)
RLI Continuation-in-part of Ser. No. US 1997-932273, filed on 17 Sep 1997
Continuation-in-part of Ser. No. US 1996-666129, filed on 19 Jun 1996,
now patented, Pat. No. US 6033645 Continuation-in-part of Ser. No. US
1996-660032, filed on 6 Jun 1996, now abandoned Continuation-in-part of
Ser. No. US 1996-640464, filed on 1 May 1996, now abandoned
Continuation-in-part of Ser. No. US 1995-497684, filed on 7 Jun 1995,
now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Hollinden, Gary E.
LREP Woodcock Washburn Kurtz Mackiewicz & Norris LLP
CLMN Number of Claims: 115
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 7574
AB Improved methods for providing an image of an internal region of a
patient. Embodiments of the invention involve the administration to the
patient of a contrast agent which comprises, in an **aqueous**
carrier, a lipid, protein, polymer or surfactant, and a gas. The patient
is scanned using ultrasound imaging to obtain a visible image of the
region. In embodiments of the invention, the scanning step may comprise
applying a first quantity of ultrasound energy to the patient to provide
a first image, followed by the application substantially immediately
thereafter of a second quantity of ultrasound energy to provide a second
image. The first and second images are then processed. The methods are
particularly useful for obtaining on-line images of the cardiovascular
region which may be employed, for example, to diagnose the presence of
diseased tissue in the cardiovascular region of a patient.

L14 ANSWER 38 OF 45 USPATFULL
AN 2001:18274 USPATFULL
TI Isolation and purification of eubacteria and fungus with catalytically
inactive murein binding enzymes

IN Laine, Roger A., Baton Rouge, LA, United States
Lo, Wai Chun.Jennifer, Baton Rouge, LA, United States
PA Anomeric, Inc., Baton Rouge, LA, United States (U.S. corporation)
Board of Supervisors Louisiana State University, Baton Rouge, LA, United States (U.S. corporation)
PI US 6184027 B1 20010206
AI US 1999-262419 19990304 (9)
RLI Continuation-in-part of Ser. No. US 1997-823293, filed on 21 Mar 1997, now patented, Pat. No. US 5935804
DT Utility
FS Granted
EXNAM Primary Examiner: Weber, Jon P.
LREP Sundsmo, John S.BioMedPatent.com
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 30 Drawing Figure(s); 11 Drawing Page(s)
LN.CNT 3946
AB Catalytically inactive murein binding enzyme diagnostic reagents and methods and kits for detecting eubacteria and fungus in biological samples.

L14 ANSWER 39 OF 45 USPATFULL
AN 2000:145865 USPATFULL
TI Targeted contrast agents for diagnostic and therapeutic use
IN Unger, Evan C., Tucson, AZ, United States
Fritz, Thomas A., Tucson, AZ, United States
Gertz, Edward W., Paradise Valley, AZ, United States
PA ImaRx Pharmaceutical Corp., Tucson, AZ, United States (U.S. corporation)
PI US 6139819 20001031
AI US 1997-932273 19970917 (8)
RLI Continuation-in-part of Ser. No. US 1996-660032, filed on 6 Jun 1996, now abandoned which is a continuation-in-part of Ser. No. US 1996-640464, filed on 1 May 1996, now abandoned which is a continuation-in-part of Ser. No. US 1995-497684, filed on 7 Jun 1995, now abandoned And a continuation-in-part of Ser. No. US 1996-666129, filed on 19 Jun 1996, now patented, Pat. No. US 6033645
DT Utility
FS Granted
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: Hartley, Michael G.
LREP Woodcock Washburn Kurtz Mackiewicz & Norris LLP
CLMN Number of Claims: 174
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 7523
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel contrast agents which may be used for diagnostic and therapeutic use. The **compositions** may comprise a lipid, a protein, polymer and/or surfactant, and a gas, in combination with a targeting ligand. In preferred embodiments, the targeting ligand targets coagula, including emboli and/or thrombi, particularly in patients suffering from an arrhythmic disorder. The contrast media can be used in conjunction with diagnostic imaging, such as ultrasound, as well as therapeutic applications, such as therapeutic ultrasound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 40 OF 45 USPATFULL
AN 1999:4023 USPATFULL
TI Methods and **compositions** for poly-.beta.-1.fwdarw.4-N-acetylglucosamine cell therapy system
IN Vournakis, John N., Hanover, NH, United States
Finkielsztejn, Sergio, Chestnut Hill, MA, United States

Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Danvers, MA, United States (U.S.
corporation)
PI US 5858350 19990112
AI US 1995-471290 19950606 (8)
RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994,
now patented, Pat. No. US 5623064 which is a continuation-in-part of
Ser. No. US 1993-160569, filed on 1 Dec 1993, now patented, Pat. No. US
5622834
DT Utility
FS Granted
EXNAM Primary Examiner: Lankford, Jr., Leon B.; Assistant Examiner: Tate,
Christopher R.
LREP Pennie & Edmonds
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 73 Drawing Figure(s); 58 Drawing Page(s)
LN.CNT 3953

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced
poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAC) polysaccharide
species. The p-GlcNAC of the invention is a polymer of high molecular
weight whose constituent monosaccharide sugars are attached in a
.beta.-1.fwdarw.4 conformation, and which is **free** of proteins,
and substantially **free** of single amino acids, and other
organic and inorganic contaminants. In addition, **derivatives**
and reformulations of p-GlcNAC are described. The present invention
further relates to methods for the purification of the p-GlcNAC of the
invention from microalgae, preferably diatom, starting sources. Still
further, the invention relates to methods for the **derivatization**
and reformulation of the p-GlcNAC. Additionally, the present invention
relates to the uses of pure p-GlcNAC, its **derivatives**, and/or
its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 41 OF 45 USPATFULL
AN 1998:154260 USPATFULL
TI Methods and **compositions** for poly-.beta.-1-4-N-
acetylglucosamine drug delivery
IN Vournakis, John N., Hanover, NH, United States
Finkielsztejn, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S.
corporation)
PI US 5846952 19981208
AI US 1995-470077 19950606 (8)
RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994
which is a continuation-in-part of Ser. No. US 1993-160569, filed on 1
Dec 1993
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen
Kahler
LREP Pennie & Edmonds
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 73 Drawing Figure(s); 58 Drawing Page(s)
LN.CNT 4101

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced
poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAC) polysaccharide

species useful in drug **compositions**. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 42 OF 45 USPATFULL

AN 97:104147 USPATFULL

TI Poly-.beta.-1.fwdarw.4-N-acetylucosamine copolymer **composition**
with collagen

IN Vournakis, John N., Hanover, NH, United States
Finkielsztejn, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States

PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S. corporation)

PI US 5686115 19971111

AI US 1995-470912 19950606 (8)

RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994, now patented, Pat. No. US 5623064 which is a continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993, now patented, Pat. No. US 5622834

DT Utility

FS Granted

EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen Kahler

LREP Pennie & Edmonds

CLMN Number of Claims: 20

ECL Exemplary Claim: 1

DRWN 72 Drawing Figure(s); 58 Drawing Page(s)

LN.CNT 4073

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species useful in collagen copolymers. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 43 OF 45 USPATFULL

AN 97:47398 USPATFULL

TI Methods and **compositions** for poly-.beta.-1-4-N-acetylglucosamine chemotherapeutics

IN Vournakis, John N., Hanover, NH, United States
Finkielsztejn, Sergio, Chestnut Hill, MA, United States

Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S.
corporation)
PI US 5635493 19970603
AI US 1995-471545 19950606 (8)
RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994
which is a continuation-in-part of Ser. No. US 1993-160569, filed on 1
Dec 1993
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen
Kahler
LREP Pennie & Edmonds
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 73 Drawing Figure(s); 58 Drawing Page(s)
LN.CNT 3937

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced
poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide
species useful in drug **compositions**. The p-GlcNAc of the
invention is a polymer of high molecular weight whose constituent
monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation,
and which is **free** of proteins, and substantially **free**
of single amino acids, and other organic and inorganic contaminants. In
addition, **derivatives** and reformulations of p-GlcNAc are
described. The present invention further relates to methods for the
purification of the p-GlcNAc of the invention from microalgae,
preferably diatom, starting sources. Still further, the invention
relates to methods for the **derivatization** and reformulation of
the p-GlcNAc. Additionally, the present invention relates to the uses of
pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 44 OF 45 USPATFULL
AN 97:35944 USPATFULL
TI Methods and **compositions** for poly-.beta.-1-4-N-
acetylglucosamine biological barriers
IN Vournakis, John N., Hanover, NH, United States
Finkielsztejn, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S.
corporation)
PI US 5624679 19970429
AI US 1995-470083 19950606 (8)
RLI Continuation-in-part of Ser. No. US 1994-347911, filed on 1 Dec 1994
which is a continuation-in-part of Ser. No. US 1993-160569, filed on 1
Dec 1993
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen
Kahler
LREP Pennie & Edmonds
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 74 Drawing Figure(s); 58 Drawing Page(s)
LN.CNT 4072

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced
poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide
species. The p-GlcNAc of the invention is a polymer of high molecular

weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 45 OF 45 USPATFULL
AN 97:33859 USPATFULL
TI Poly-.beta.-1.fwdarw.-4-N-acetylglucosamine
IN Vournakis, John N., Hanover, NH, United States
Finkielsztejn, Sergio, Chestnut Hill, MA, United States
Pariser, Ernest R., Belmont, MA, United States
Helton, Mike, Memphis, TN, United States
PA Marine Polymer Technologies, Inc., Danvers, MA, United States (U.S. corporation)
PI US 5623064 19970422
AI US 1994-347911 19941201 (8)
RLI Continuation-in-part of Ser. No. US 1993-160569, filed on 1 Dec 1993
DT Utility
FS Granted
EXNAM Primary Examiner: Kight, John; Assistant Examiner: Fonda, Kathleen Kahler
LREP Pennie & Edmonds
CLMN Number of Claims: 36
ECL Exemplary Claim: 1
DRWN 71 Drawing Figure(s); 56 Drawing Page(s)
LN.CNT 3532

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a purified, easily produced poly-.beta.-1.fwdarw.4-N-acetylglucosamine (p-GlcNAc) polysaccharide species. The p-GlcNAc of the invention is a polymer of high molecular weight whose constituent monosaccharide sugars are attached in a .beta.-1.fwdarw.4 conformation, and which is **free** of proteins, and substantially **free** of single amino acids, and other organic and inorganic contaminants. In addition, **derivatives** and reformulations of p-GlcNAc are described. The present invention further relates to methods for the purification of the p-GlcNAc of the invention from microalgae, preferably diatom, starting sources. Still further, the invention relates to methods for the **derivatization** and reformulation of the p-GlcNAc. Additionally, the present invention relates to the uses of pure p-GlcNAc, its **derivatives**, and/or its reformulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 15:42:23 ON 01 APR 2003)

INDEX 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS, PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL, USPAT2, WPIDS, WPINDEX, WTEXTILES' ENTERED AT 15:42:40 ON 01 APR 2003
SEA CHITOSAN

371 FILE BABS
 14000 FILE CAPLUS
 139 FILE CBNB
 9 FILE CEN
 120 FILE CIN
 35 FILE EMA
 1659 FILE IFIPAT
 2450 FILE JICST-EPLUS
 2923 FILE PASCAL
 561 FILE PROMT
 602 FILE RAPRA
 4724 FILE SCISEARCH
 334 FILE TEXTILETECH
 5774 FILE USPATFULL
 199 FILE USPAT2
 4777 FILE WPIDS
 4777 FILE WPINDEX
 250 FILE WTEXTILES

L1

QUE CHITOSAN

 SEA L1 AND (AQUEOUS OR WATER)

381 FILE APOLLIT
 113 FILE BABS
 4974 FILE CAPLUS
 28 FILE CBNB
 5 FILE CEN
 20 FILE CIN
 7 FILE EMA
 1035 FILE IFIPAT
 584 FILE JICST-EPLUS
 1004 FILE PASCAL
 198 FILE PROMT
 274 FILE RAPRA
 1455 FILE SCISEARCH
 121 FILE TEXTILETECH
 5580 FILE USPATFULL
 198 FILE USPAT2
 2588 FILE WPIDS
 2588 FILE WPINDEX
 71 FILE WTEXTILES

L2

QUE L1 AND (AQUEOUS OR WATER)

 SEA L2 AND VISCO?

48 FILE APOLLIT
 9 FILE BABS
 448 FILE CAPLUS
 1 FILE CBNB
 2 FILE CEN
 151 FILE IFIPAT
 28 FILE JICST-EPLUS
 125 FILE PASCAL
 30 FILE PROMT
 28 FILE RAPRA
 149 FILE SCISEARCH
 18 FILE TEXTILETECH
 3095 FILE USPATFULL
 103 FILE USPAT2
 297 FILE WPIDS
 297 FILE WPINDEX
 9 FILE WTEXTILES

L3

QUE L2 AND VISCO?

SEA L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)

12 FILE APOLLIT
43 FILE CAPLUS
1 FILE CEN
26 FILE IFIPAT
2 FILE JICST-EPLUS
8 FILE PASCAL
9 FILE PROMT
4 FILE RAPRA
10 FILE SCISEARCH
1 FILE TEXTILETECH
1681 FILE USPATFULL
52 FILE USPAT2
30 FILE WPIDS
30 FILE WPINDEX

L4 QUE L3 AND (CROSSLINK? OR CROSS-LINK? AND FREE)

SEA L4 AND PRECIPIT?

1 FILE APOLLIT
4 FILE CAPLUS
4 FILE IFIPAT
2 FILE PASCAL
1 FILE PROMT
2 FILE SCISEARCH
918 FILE USPATFULL
28 FILE USPAT2
3 FILE WPIDS
3 FILE WPINDEX

L5 QUE L4 AND PRECIPIT?

SEA L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE

3 FILE IFIPAT
1 FILE PROMT
877 FILE USPATFULL
28 FILE USPAT2
3 FILE WPIDS
3 FILE WPINDEX

L6 QUE L5 AND (CARBONATE OR PHOSPHATE OR HYDROXIDE AMMONIA OR BASE

SEA L6 AND (DIMENSION OR PH)

3 FILE IFIPAT
1 FILE PROMT
804 FILE USPATFULL
25 FILE USPAT2
3 FILE WPIDS
3 FILE WPINDEX

L7 QUE L6 AND (DIMENSION OR PH)

FILE 'USPATFULL' ENTERED AT 15:54:08 ON 01 APR 2003

L8 746 S L7 AND COMPOSITION
L9 405 S L8 AND (CATIONIC? AND DERIVAT?)
L10 1 S L9 AND (CROSSLINK (W) FREE OR CROSSLINK-FREE OR CROSSLINKER-F
L11 124 S L9 AND (STRUCT? AND THREE (W) DIMENSIO?)
L12 123 S L11 AND PROCESS
L13 122 S L12 AND PH
L14 45 S L13 AND (FREEZE AND DRYING OR FREEZE-DRYING OR FREEZE (W) DRY

FILE 'USPATFULL' ENTERED AT 15:54:08 ON 01 APR 2003

L8 746 S L7 AND COMPOSITION
L9 405 S L8 AND (CATIONIC? AND DERIVAT?)
L10 1 S L9 AND (CROSSLINK (W) FREE OR CROSSLINK-FREE OR CROSSLINKER-F
L11 124 S L9 AND (STRUCT? AND THREE (W) DIMENSIO?)
L12 123 S L11 AND PROCESS
L13 122 S L12 AND PH
L14 45 S L13 AND (FREEZE AND DRYING OR FREEZE-DRYING OR FREEZE (W) DRY

FILE 'CAPLUS' ENTERED AT 16:00:50 ON 01 APR 2003

L15 0 S L14